

Queen Ka'ahumanu Highway Widening, Phase 2

Kealakehe Parkway to Keahole Airport Road

August 25, 2015



STATE OF HAWAII
Department of Transportation



U.S. Department of Transportation
Federal Highway
Administration



GOODFELLOW BROS., INC.
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Meeting Objectives

- Project Status
- Project Design Overview
- What to Expect During Construction
- Public Information Program
- Questions and Answers



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Project Status

- Section 106 Consultations Completed
- Section 106 MOA Signed and Accepted
- Section 4f Evaluation Accepted
- SHPD Review Letter Issued
- All Required Project Permits Issued
- 100% Design Plans Finalized
- NTP for 9/1/15 Start of Construction Issued
- South Segment Redesign to Avoid Historic Sites 80% Complete



Project location



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Overview

- **Project Highlights**
 - **Six Signalized Intersections**
 - **Highway Lighting at Intersections**
 - **Culvert Extensions**
 - **Landscaping**
 - **Utility Relocations**



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Overview Continued

- **Private Developer and County Participation**
 - **Hulikoa Intersection**
 - **Improved Water System**
 - **Improved Sewer Utilities**



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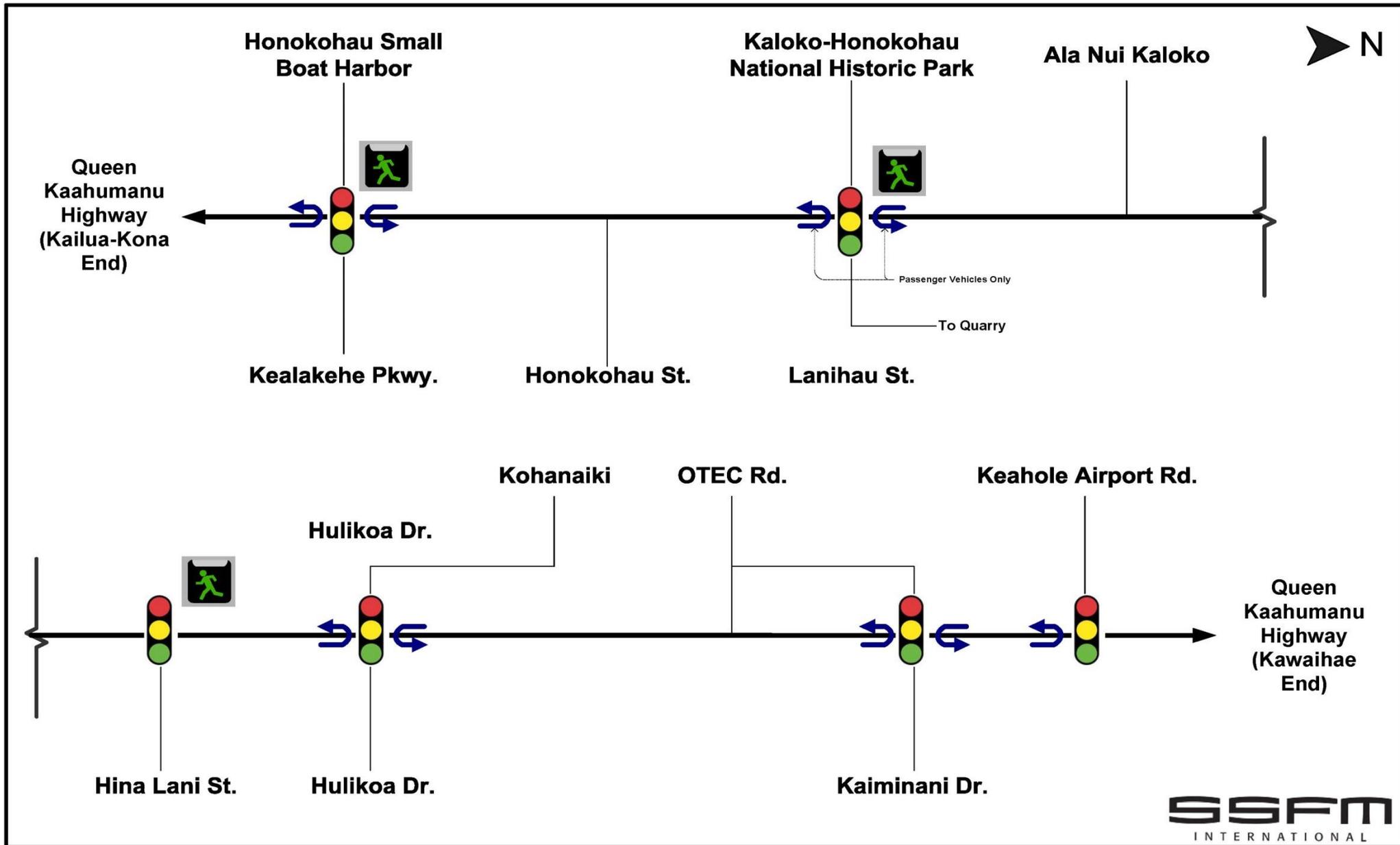


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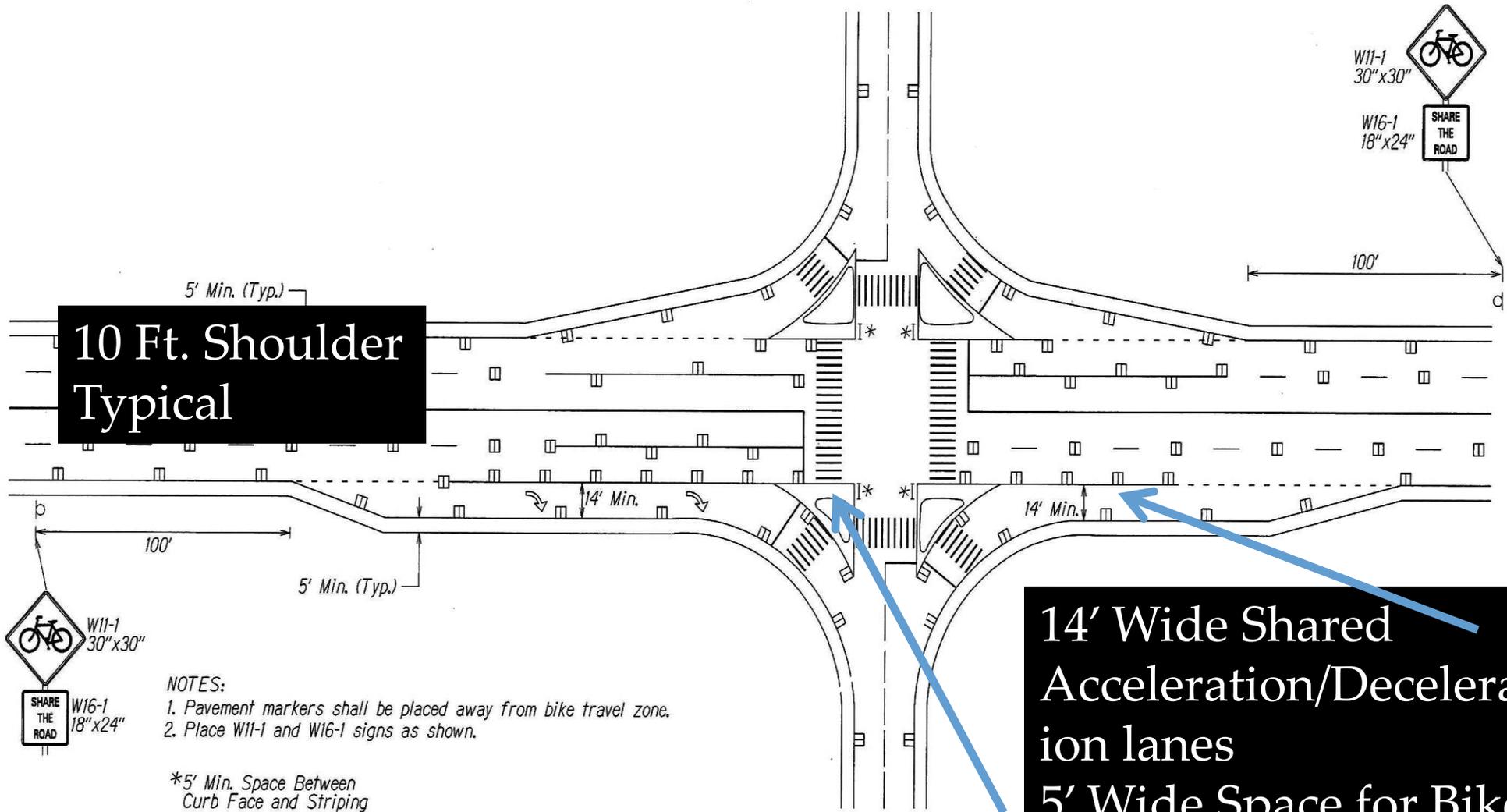
Improved Traffic Flow



Design Highlights

- All pavement will be asphalt
- Traffic signals will be equipped with video cam capabilities
- Traffic signals will be interconnected and coordinated for maximum traffic flow
- Street lights spacing will be increased from 90 to 120 ft
- All street light will be LED technology providing a 50% savings in energy cost
- 8 -10 feet wide shoulders for bicycles
- Pedestrians crossing provided at three intersections





**10 Ft. Shoulder
Typical**

**14' Wide Shared
Acceleration/Decelerat
ion lanes
5' Wide Space for Bikes
at Stop Bar**

- NOTES:
1. Pavement markers shall be placed away from bike travel zone.
 2. Place W11-1 and W16-1 signs as shown.

*5' Min. Space Between
Curb Face and Striping

BIKE ROUTE THRU INTERSECTION
ON A SHARED ROADWAY
WITH POSTED SPEED LIMIT > 35 MPH

**8 Ft. Shoulder
At Intersections**



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What to Expect During Construction

- **15 – 20 Trucks Hauling Materials During Day Time Only**
 - **Up to 6 Days a Week for First Year**
 - **When Paving After That**
- **Limited Night Work on Intersections and Water Line Connections**
- **Lower Speed Limit (35 MPH)**
- **Always at Least One Lane in Each Direction**



Truck Crossings



- **Most Significant Traffic Impact During Construction**
- **Slow Trucks Entering or Exiting Highway Ahead**
- **See Website Traffic Control Page for Traffic Control Updates**



Minimize Impact on Traffic

- **Work Zones Kept Separate from Traffic Lanes**
- **Temporary Lane Shifts at Side Streets to Maintain Two-Way Traffic**
- **Maintain Existing Access and Turning Movements until Completion – NELHA**
- **Maintain Paved Shoulders for Bicycles During Construction**
- **Maintain Existing Pedestrian Crossings**
- **Flaggers and Police Officers to Direct Traffic When Necessary**

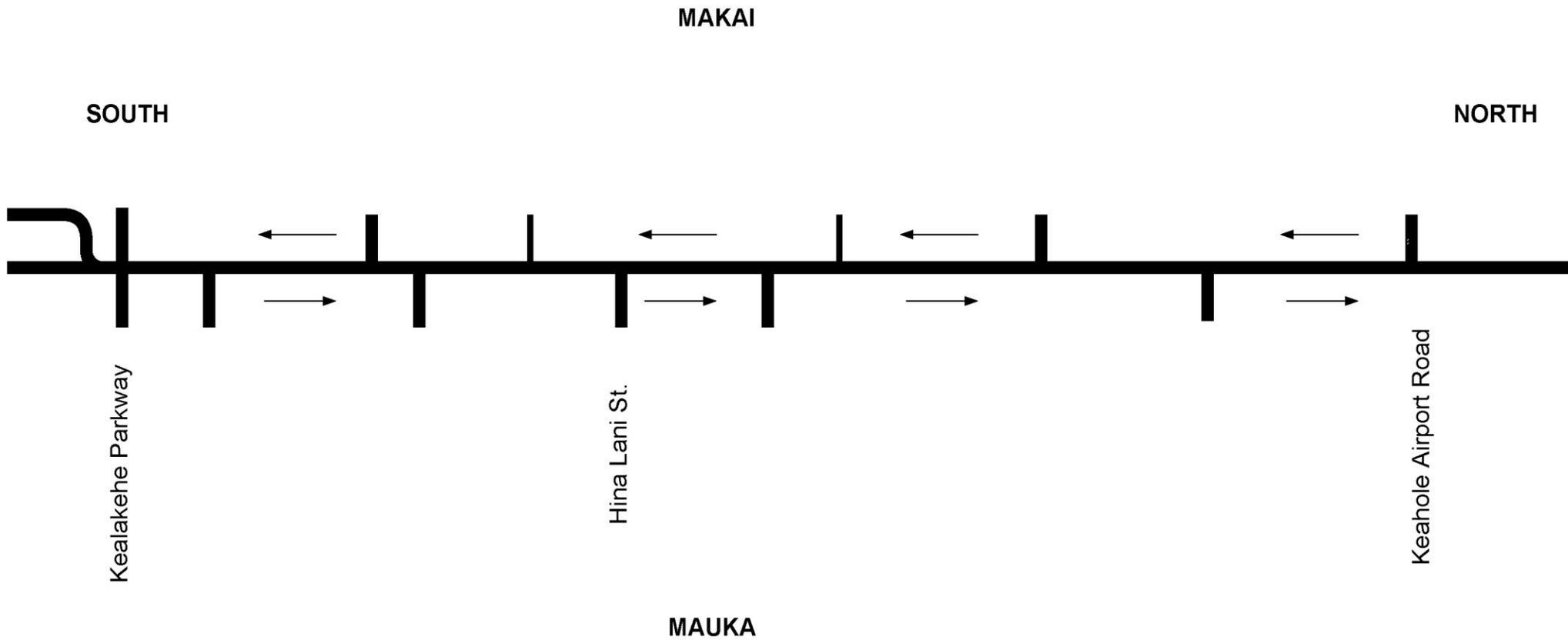


Minimizing Other Impacts

- **Minimal Night Work at Intersections and Utility Connections**
- **No Adverse Impacts to Ironman Triathlon**
- **Pro-Active Communication with Community**
- **Project Will be Built in Five Stages**



CONSTRUCTION AND TRAFFIC CONTROL STAGES



EXISTING HIGHWAY

KEY

Existing Highway – one lane each direction



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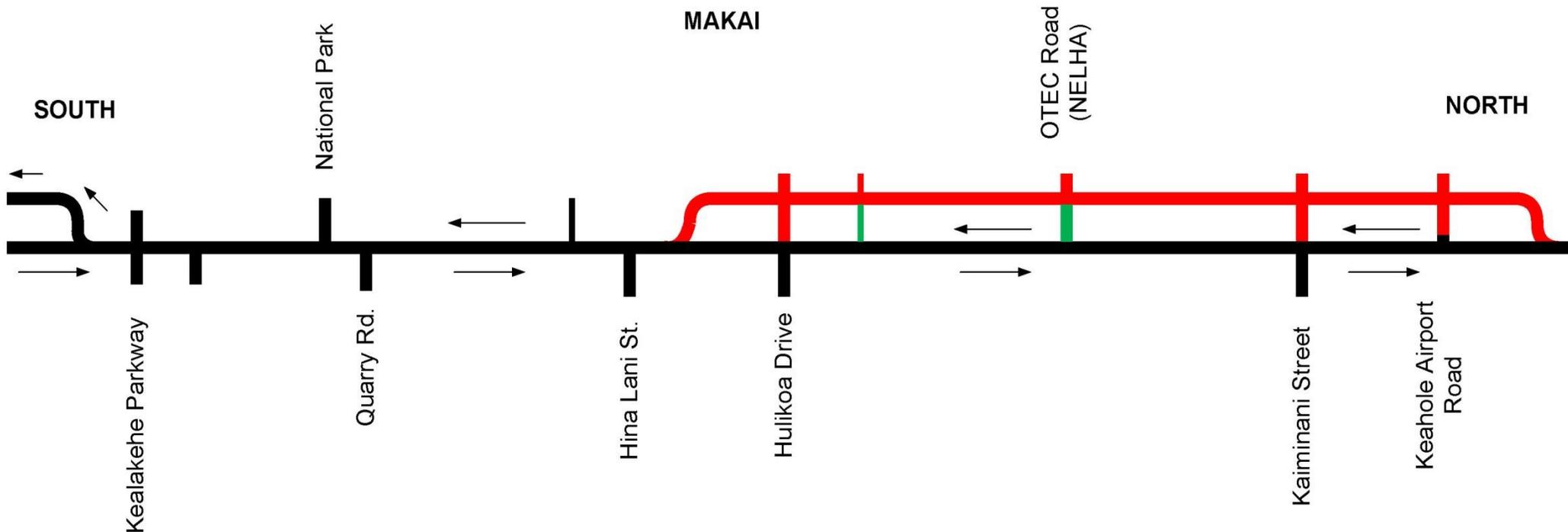


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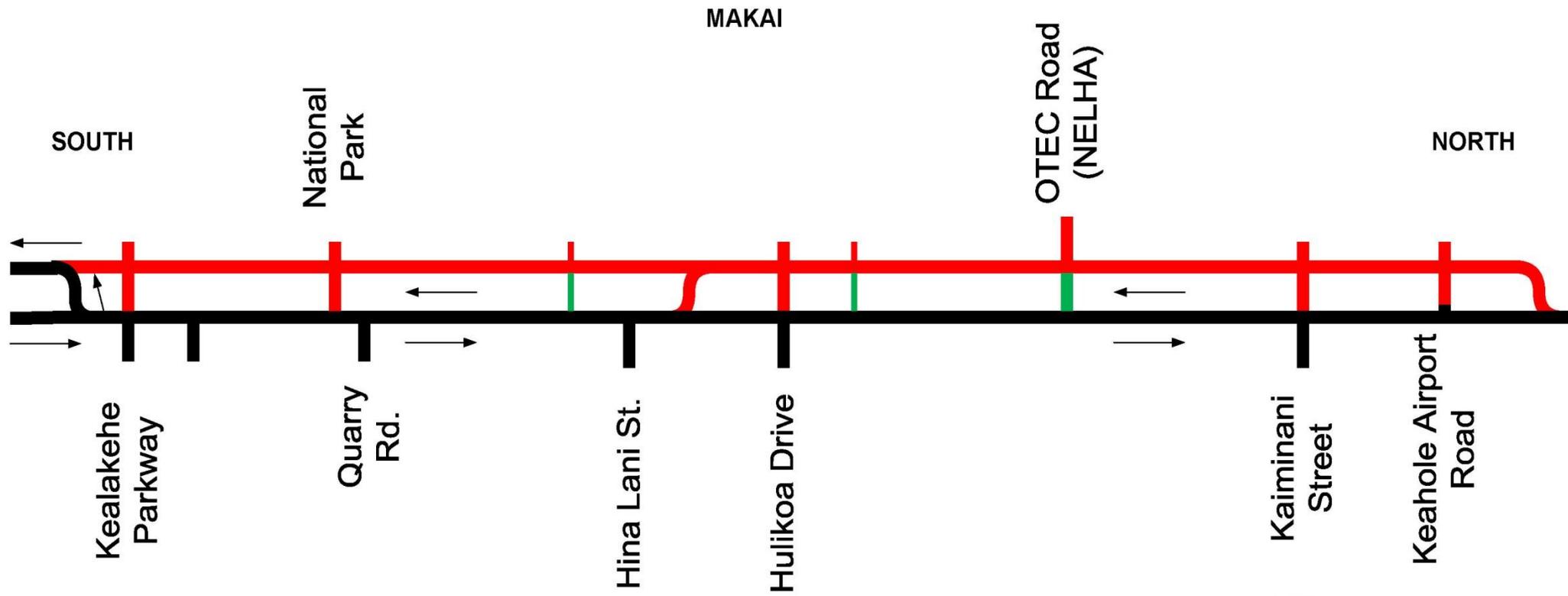
CONSTRUCTION AND TRAFFIC CONTROL STAGES



STAGE 1
September 2015 –
January 2016

- KEY**
-  Existing Highway
 -  Under Construction – Cross traffic only
 -  Temporary Roadway
 -  Completed New Roadway

CONSTRUCTION AND TRAFFIC CONTROL STAGES



KEY

-  Existing Highway
-  Under Construction – Cross traffic only
-  Temporary Roadway
-  Completed New Roadway

STAGE 2

February 2016
– July 2016



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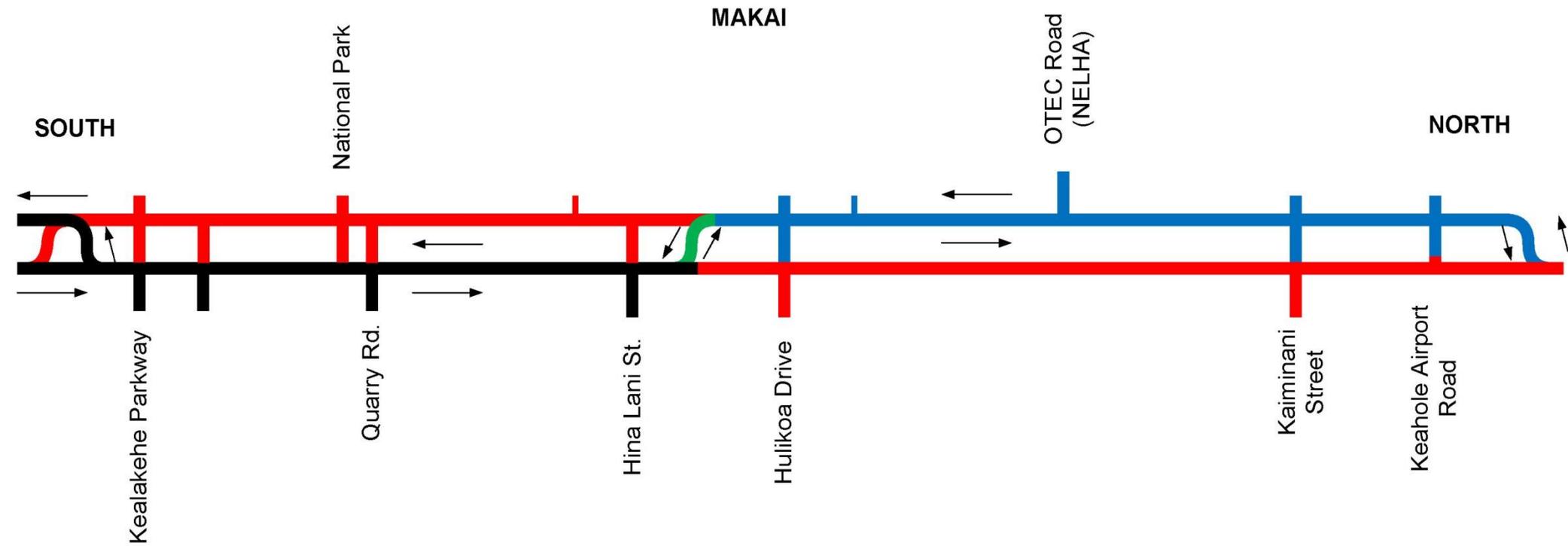


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CONSTRUCTION AND TRAFFIC CONTROL STAGES



STAGE 3

August 2016 –
October 2016

KEY

-  Existing Highway
-  Under Construction –
Cross traffic only
-  Temporary Roadway
-  Completed New
Roadway



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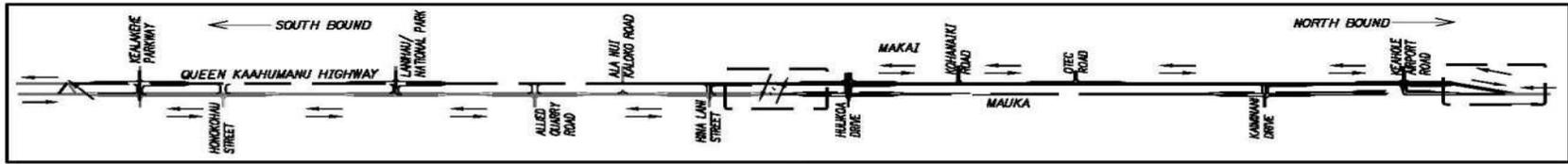


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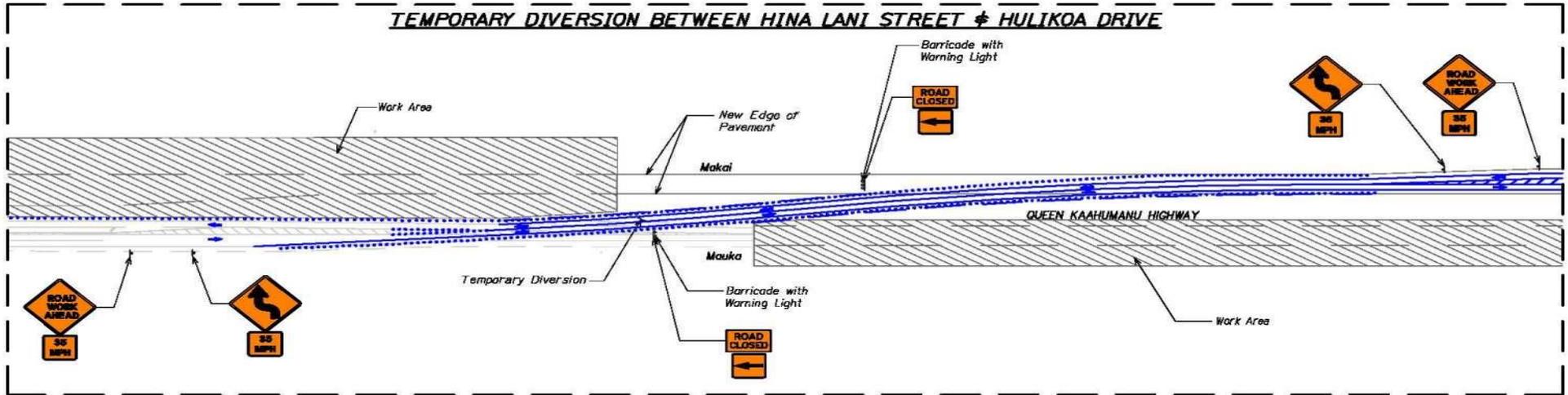
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Stage 3 Diversions

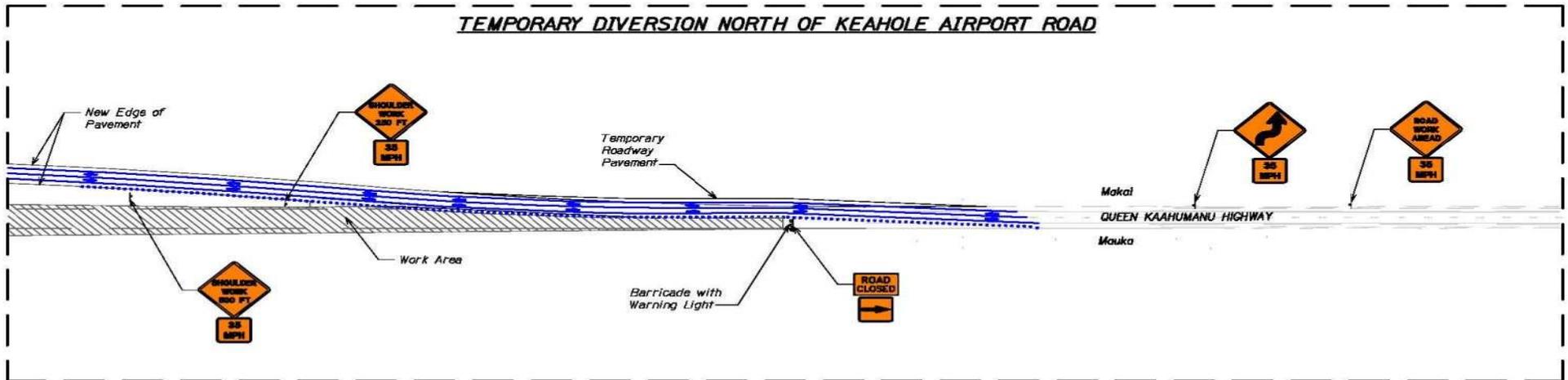


KEYMAP
NOT TO SCALE

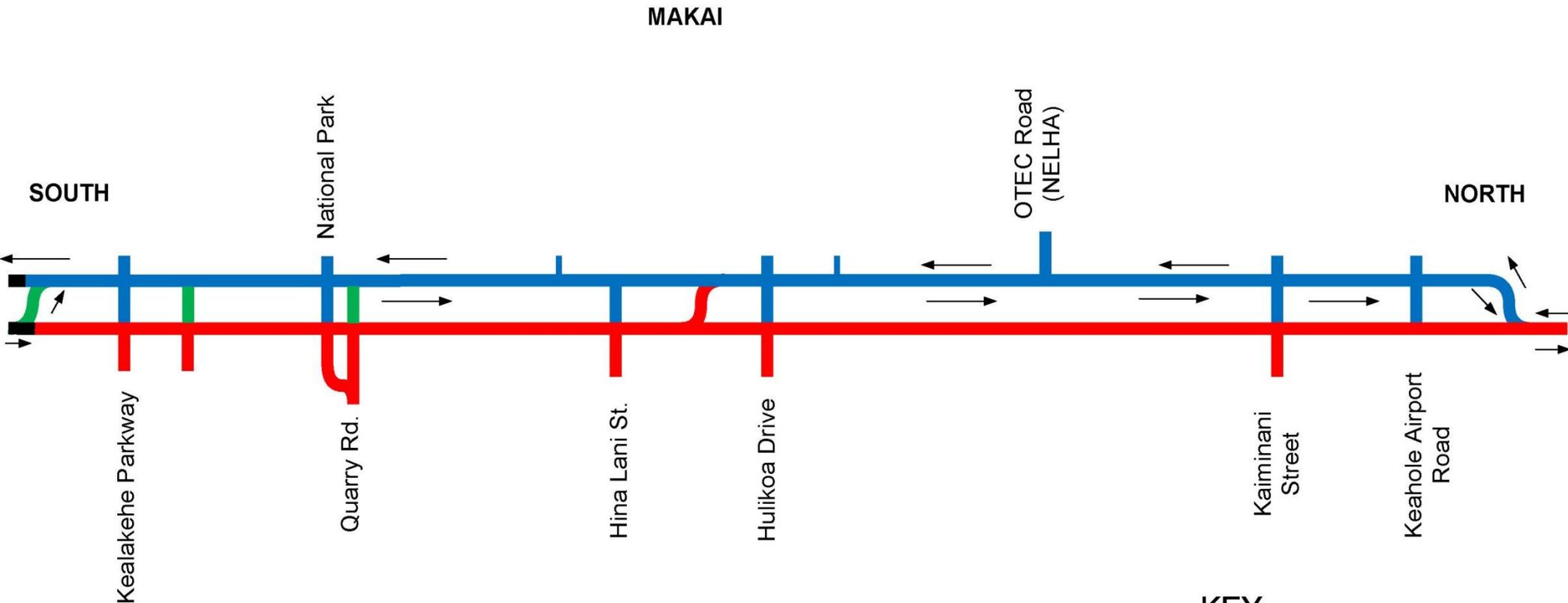
TEMPORARY DIVERSION BETWEEN HINA LANI STREET & HULIKOA DRIVE



TEMPORARY DIVERSION NORTH OF KEAHOLE AIRPORT ROAD



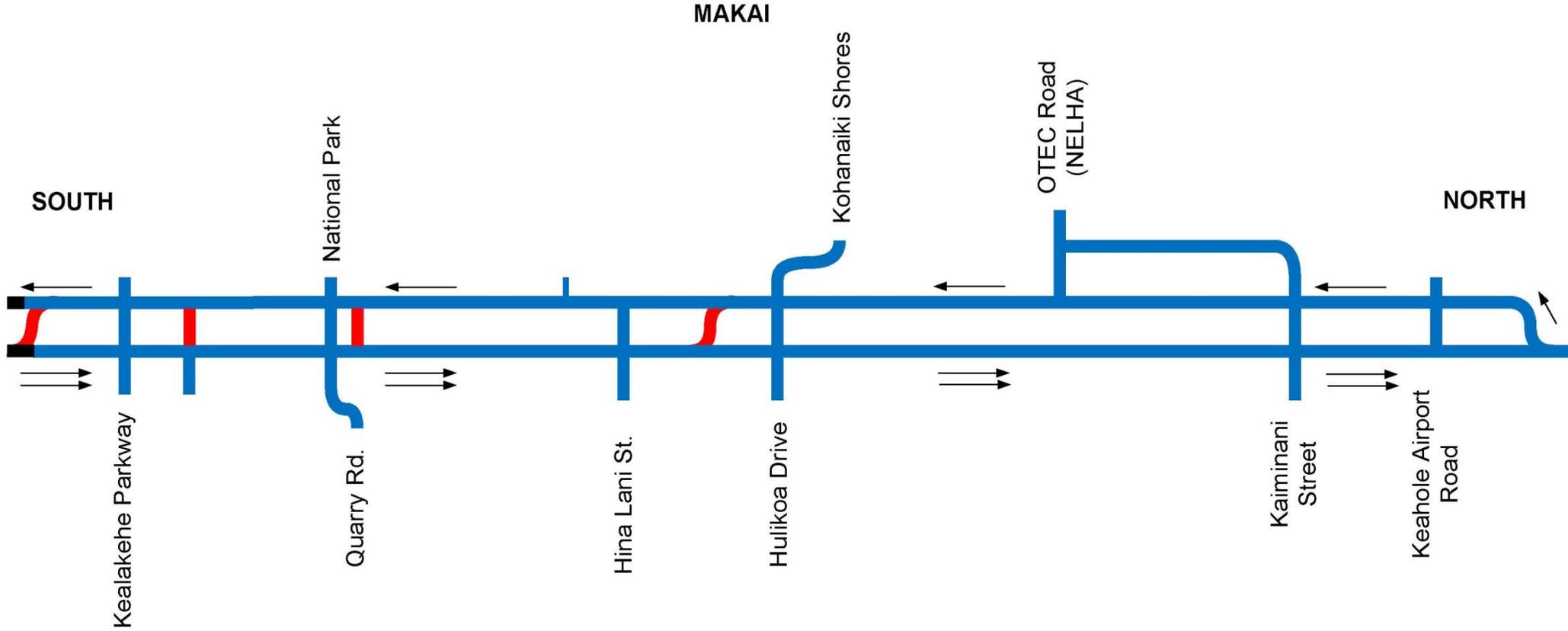
CONSTRUCTION AND TRAFFIC CONTROL STAGES



STAGE 4
November 2016
– April 2017

- KEY**
-  Existing Highway
 -  Under Construction – Cross traffic only
 -  Temporary Roadway
 -  Completed New Roadway

CONSTRUCTION AND TRAFFIC CONTROL STAGES

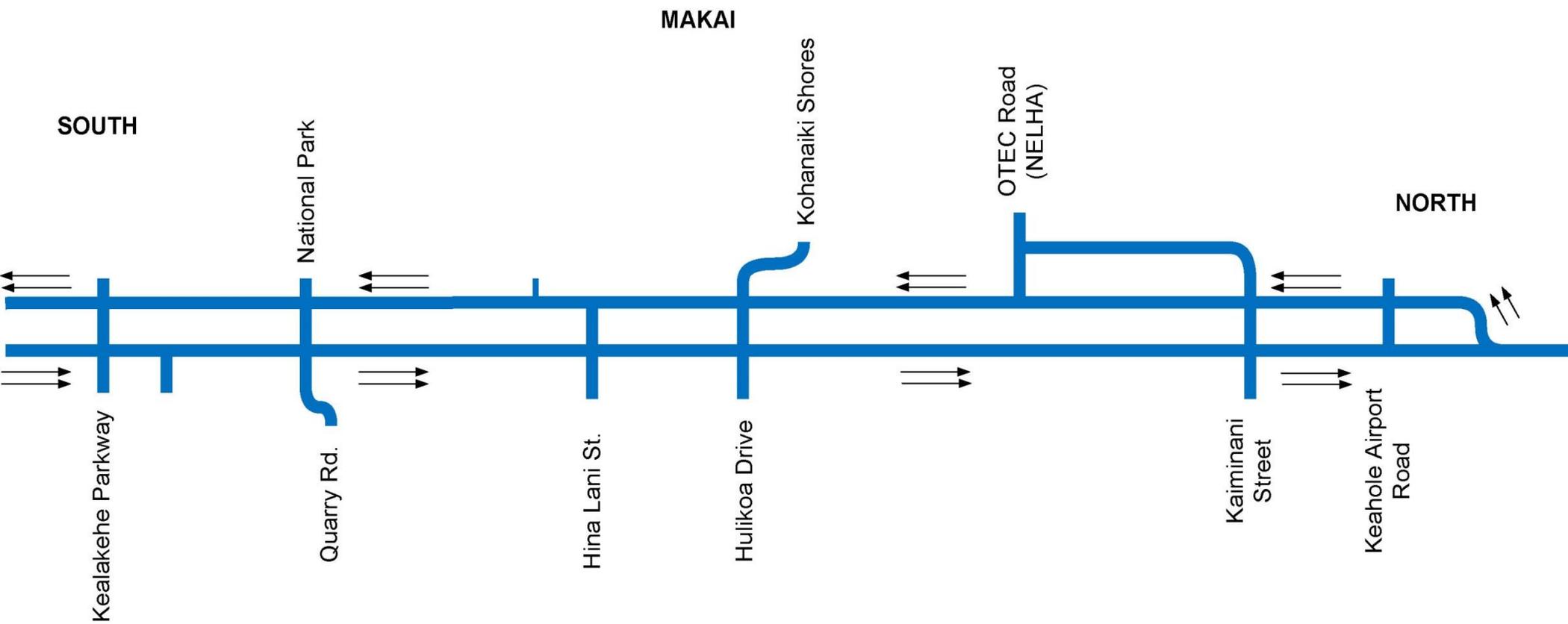


STAGE 5
May 2017 –
August 2017

KEY

-  Existing Highway
-  Under Construction – Cross traffic only)
-  Temporary Roadway
-  Completed New Roadway

CONSTRUCTION AND TRAFFIC CONTROL STAGES



COMPLETED PROJECT

September 2017

KEY



Completed New Roadway



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Roadside Memorials

- **HDOT and the project team are attempting to identify the families associated with memorials in the project right of way.**
- **Please assist us in identifying contact information for the families.**
- **Memorials will be removed and stored by HDOT staff on Friday, September 18th**



Roadside Memorials

Milepost 94.8



Milepost 95.9



Milepost 93.4



Milepost 97.5



Ongoing Public Information Program

- Queen Ka'ahumanu Website
- 24 Hour Hotline
- Changeable Message Signs
- Community Meetings as Needed



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Queen Ka'ahumanu Highway Widening - Phase 2

24 Hour Hotline (888) 440-7988

Home

Highway Widening Phase 2

Kealakehe Parkway to Keahole Airport Road
Project No. NH-019-1(38)R

The goal of this design-build project is to improve traffic flow from Keahole Airport Road to Kealakehe Parkway. This 5.2 mile section of the Queen Ka'ahumanu Highway will be widened from the existing two lanes to four lanes. New coordinated traffic signals will be installed at all intersections with left-turn access to or from the highway.



Project Updates



HDOT BEGIN ARCHAEOLOGICAL DATA RECOVERY PHASE

May 23, 2015

PUBLIC INFORMATION MEETING NO. 3

Nov 10, 2011

ROADSIDE MEMORIALS

Nov 10, 2011

Traffic Control



Select the following link for information on the currently planned traffic control and construction stages.

[CLICK HERE](#) to view Construction and Traffic Control Stages.

Project Schedule



The State Department of Transportation currently expects to be able to issue construction Notice to Proceed by August or September of 2015. Construction is expected to be completed within twenty-four months.

A more detailed progress schedule will be posted to this web page following issuance of Notice to Proceed for construction.



Project hotline (888) 440-7988

- Hot Line Answered 24/7
- General Inquiries and Concerns
- Goodfellow Bros. is committed to one working day response to concerns expressed on the website or hotline.
- In Emergencies – CALL 911 not the Hot Line!



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Questions

CONTACT US AT

www.buildqueenk.com

OR Call the Hotline at: 1-888-440-7988

MAHALO!



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